

**LIPOXYGENASE INHIBITOR****Publication number:** JP7053359**Publication date:** 1995-02-28**Inventor:** MURASE TAKATOSHI; HASE TADASHI; SHIBUYA YUSUKE; NISHIZAWA YOSHINORI; YADA YUKIHIRO; IMOKAWA GENJI**Applicant:** KAO CORP**Classification:****- International:** A61K31/015; A61K31/047; A61K31/05; A61K31/085; A61K31/12; A61K31/22; A61P11/00; A61P17/00; A61P27/16; A61P29/00; A61P37/08; A61P43/00; A61K31/01; A61K31/045; A61K31/075; A61K31/12; A61K31/21; A61P11/00; A61P17/00; A61P27/00; A61P29/00; A61P37/00; A61P43/00; (IPC1-7): A61K31/05; A61K31/015; A61K31/05; A61K31/085; A61K31/12; A61K31/22**- European:****Application number:** JP19940118098 19940531**Priority number(s):** JP19940118098 19940531; JP19930140654 19930611[Report a data error here](#)**Abstract of JP7053359**

**PURPOSE:** To provide a lipoxygenase inhibitor having excellent lipoxygenase inhibiting action and useful as an anti-inflammatory agent, anti-allergic agent, etc., by using piceatannol existing in flat-sedge belonging to the family Cyperaceae or its derivative as the active component.

**CONSTITUTION:** Dried flat-sedge is crushed and extracted with methanol, the extracted liquid is concentrated under reduced pressure, the concentrated liquid is subjected to liquid-liquid partition with ethyl acetate-water, the obtained organic layer is concentrated under reduced pressure and partitioned with hexane-90% methanol, the 90% methanol layer is concentrated, dried and subjected to silica gel chromatography, the adsorbed material is eluted with chloroform-methanol and the eluate is collected and subjected to high-performance liquid chromatography to obtain piceatannol of the formula ( $R<1>$  to  $R<4>$  are each OH, an alkyl, alkoxy, alkanoyl, etc.) or its derivative. The compound is used as an active component, compounded with a carrier and formed in the form of a pharmaceutical preparation to obtain the objective preparation for anti-inflammatory agent, anti-allergic agent, etc., having excellent lipoxygenase inhibiting action.

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